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<input type="checkbox"/>	L8	L1 and I5	18
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		<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L4	L2 and (macro near2 string)	161
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<input type="checkbox"/>	L2	string and macro	4394
		<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ</i>	
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Search Results - Record(s) 1 through 18 of 18 returned.

☐ 1. Document ID: US 20040098709 A1

L8: Entry 1 of 18

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040098709

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040098709 A1

TITLE: Method, apparatus, and computer program for generating SIMD instruction sequence

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kyo, Shorin	Tokyo		JP	

US-CL-CURRENT: 717/140; 712/22

ABSTRACT:

A translator receives a source code that is described using a process designation (such as a line-by-line process designation, a line data extraction designation, and a broadcast designation) to be performed on line data of an image on a line by line basis, parses and optimizes the source code, and then generates an SIMD macro code that is an intermediate form taking into consideration the use of an SIMD instruction set. A simplifier generates, from the SIMD macro code, a simplified SIMD macro code, namely, a composite macro code into which a series of codes having the relationship between the definition and the reference of the same virtual SIMD register is organized. A machine code generator generates, from the simplified SIMD macro code, a machine code that efficiently uses an SIMD instruction.

Full	Title	Citation	Front	Review	Classification	Data	Reference	Sequences	Attachments	Claims	KMIC	Draw. Desc	In
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☐ 2. Document ID: US 20040025148 A1

L8: Entry 2 of 18

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040025148

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040025148 A1

TITLE: Computer-implemented system and method for code generation

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Krueger, Steven E.	Raleigh	NC	US	

US-CL-CURRENT: 717/140

ABSTRACT:

A computer-implemented system and method for generating code. The system and method receive source code that includes a higher order computer language statement. Machine code is generated from the received source code. The generated machine code is placed directly into volatile memory for access by a computer program.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Desc	In
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☐ 3. Document ID: US 20030046671 A1

L8: Entry 3 of 18

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030046671

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030046671 A1

TITLE: System, method and article of manufacture for signal constructs in a programming language capable of programming hardware architectures

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bowen, Matt	Oxford		GB	

US-CL-CURRENT: 717/141

ABSTRACT:

A system, method and article of manufacture are provided for using a dynamic object in a programming language. In general, an object is defined with an associated first value and second value. The first value is used in association with the object during a predetermined clock cycle. The second value is used in association with the object before or after the predetermined clock cycle.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Desc	In
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☐ 4. Document ID: US 20030033594 A1

L8: Entry 4 of 18

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033594

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030033594 A1

TITLE: System, method and article of manufacture for parameterized expression libraries

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bowen, Matt	Oxford		GB	

US-CL-CURRENT: 717/141; 717/163

ABSTRACT:

A system, method and article of manufacture are provided for parameterized expressions. In general, a plurality of first variables is defined with reference to variable widths. A plurality of second variables is also defined without reference to variable widths. Computer code is compiled including the first and second variables. Also, the variable widths of the second variables are inferred from the variable widths of the first variables.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Desc	In
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☐ 5. Document ID: US 20030033588 A1

L8: Entry 5 of 18

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030033588

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030033588 A1

TITLE: System, method and article of manufacture for using a library map to create and maintain IP cores effectively

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Alexander, John	Oxfordshire		GB	

US-CL-CURRENT: 717/107; 717/163

ABSTRACT:

A system, method and article of manufacture are provided for automatically generating libraries for use in distributing software components without requiring the software components to be completely. The system receives a behavioral description of the system components and determines the optimal required functionality between hardware and software and provides that functionality while varying the parameters (e.g. size or power) of the hardware and/or software. Thus, for instance, the hardware and the processors for the software can be formed on a reconfigurable logic device, each being no bigger than is necessary to form the desired functions. The codesign system outputs a

description of the required processors, machine code to run on the processors, and a net list or register transfer level description of the necessary hardware. It is possible for the user to write some parts of the description of the system at register transfer level to give closer control over the operation of the system, and the user can specify the processor or processors to be used, and can change, for instance, the partitioner, compilers or speed estimators used in the codesign system. Since the library has the latest technology in dynamic widths, the libraries are flexible in their ability to store and dynamically update their components based on the characteristics of a resolved system.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	In
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☐ 6. Document ID: US 20030028864 A1

L8: Entry 6 of 18

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028864

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030028864 A1

TITLE: System, method and article of manufacture for successive compilations using incomplete parameters

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bowen, Matt	Oxford		GB	

US-CL-CURRENT: 717/141

ABSTRACT:

A system, method and article of manufacture are provided for compiling software including unknown parameters. Initially, software is provided including a plurality of first variables without reference to at least one parameter and a plurality of second variables with reference to the at least one parameter. In operation, the software is compiled without the first variables being resolved.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	In
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☐ 7. Document ID: US 6754885 B1

L8: Entry 7 of 18

File: USPT

Jun 22, 2004

US-PAT-NO: 6754885

DOCUMENT-IDENTIFIER: US 6754885 B1

TITLE: Methods and apparatus for controlling object appearance in a process control configuration system

DATE-ISSUED: June 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dardinski; Steven	Westford	MA		
Eldridge; Keith	North Easton	MA		
Hall; Robert	South Easton	MA		
Johnson; Mark	North Attleboro	MA		
MacKay; Brian	Coppell	TX		
Meskonis; Paul	Norwood	MA		
Volk; Scott	North Easton	MA		

US-CL-CURRENT: 717/113

ABSTRACT:

The invention provides improved apparatus for configuring process, environmental, industrial and other control systems. Such apparatus employs "appearance" objects (or other data and/or programming constructs) defining the appearance of configurable system components in graphical editors or other views in which the components may be depicted. "Placeholder" objects (or other constructs) persist the location, size, color, or other aspects of appearance defined by an appearance object for a configurable component in views in which it is actually depicted. By way of example, a process control configuration apparatus according to this aspect of the invention uses "configurable" objects to define blocks, loops and other components of a process control system. Appearance objects provide (or reference) icons or representations indicating how the configurable objects are to be depicted, e.g., in a configuration editor. Placeholder objects are created for each configurable object that is placed in a configuration using that editor. The placeholder objects identify the sizes, locations, colors, etc., of the icons used in the editor to represent the configurable objects.

70 Claims, 121 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 75

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	In
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☐ 8. Document ID: US 6694310 B1

L8: Entry 8 of 18

File: USPT

Feb 17, 2004

US-PAT-NO: 6694310

DOCUMENT-IDENTIFIER: US 6694310 B1

TITLE: Data flow plan optimizer

DATE-ISSUED: February 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yu; Tsae-Feng	Nashua	NH		
D'silva; Anil	Nashua	NH		

Davison; Jay W.

Amherst

NH

US-CL-CURRENT: 707/4; 707/10, 707/101, 707/102, 707/103Y, 707/2, 717/136, 717/137,
717/155, 717/156

ABSTRACT:

An optimizer for a data transformation system. The optimizer optimizes data flow plans that describe how data is to be transformed from the form it has in a data source to the form required in a data destination. A data flow plan is made up of a sequence of transforms, and the optimized data flow plan is equivalent to the original data flow plan but has fewer transforms. One kind of optimization is read/write optimization, in which the data flow plan is modified so that operations of the original data flow plan are performed in the data source or destination. Another is merge optimization, in which a single merge transform specifies the operations specified in a plurality of the transforms of the original data flow plan. The operations specified in the merge transform can further be performed in parallel. The optimizer additionally reorders the transforms in the original data flow plan to increase the amount of optimization. Operation of the optimizer is transparent to the user of the data transformation system.

42 Claims, 16 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc	In
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☐ 9. Document ID: US 6691301 B2

L8: Entry 9 of 18

File: USPT

Feb 10, 2004

US-PAT-NO: 6691301

DOCUMENT-IDENTIFIER: US 6691301 B2

TITLE: System, method and article of manufacture for signal constructs in a programming language capable of programming hardware architectures

DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowen; Matt	Littlemore			GB

US-CL-CURRENT: 717/114; 712/15, 716/16

ABSTRACT:

A system, method and article of manufacture are provided for using a dynamic object in a programming language. In general, an object is defined with an associated first value and second value. The first value is used in association with the object during a predetermined clock cycle. The second value is used in association with the object before or after the predetermined clock cycle.

18 Claims, 129 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 117

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	In
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☐ 10. Document ID: US 6470490 B1

L8: Entry 10 of 18

File: USPT

Oct 22, 2002

US-PAT-NO: 6470490

DOCUMENT-IDENTIFIER: US 6470490 B1

TITLE: Contextual data representation and retrieval method

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hansen; Victor E.	Plymouth Meeting	PA	19462	

US-CL-CURRENT: 717/106; 707/101

ABSTRACT:

A method for information representation and retrieval within a general-purpose digital computer. Information of all simple types is represented as points along dimensions, and compound information types are represented as the intersection of two or more dimensions in a multidimensional data space. A context of points is maintained externally, and is used selectively by an evaluator function which is used to return values which are bound to points in this data space, and to invoke conventional data processing functions which interact with the data space. Using the multidimensional representation and retrieval method, the processes and structures of conventional computing, such as variables, arrays, structures, lists, objects, and the like may be modeled or simulated.

27 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	In
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☐ 11. Document ID: US 6346945 B1

L8: Entry 11 of 18

File: USPT

Feb 12, 2002

US-PAT-NO: 6346945

DOCUMENT-IDENTIFIER: US 6346945 B1

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for pattern-based flowcharting of source code

DATE-ISSUED: February 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mansurov; Nikolai	Moscow			RU
Campara; Djenana	Nepean			CA
Rajala; Norman	Nepean			CA

US-CL-CURRENT: 345/473; 717/146

ABSTRACT:

A system and method for generating a consistent graphical expression of source code which is independent of the source language and of a particular programmer's style. The system first provides an intermediary pattern language which is source language independent into which the source code is translated. This pattern language is directly mapped to a set of predetermined graphical patterns having a series of attributes. The pattern language is nested in the sense that certain expressions may contain certain other expressions. This translates directly to graphical containment. Attributes are computed starting with the most nested parts of the pattern language translation. The attributes of the more nested parts having been thus computed may be used in the computation of the attributes of less nested parts of the expression. Once all attributes are computed, a mapping to display directives is performed, and a graphical engine produces an actual display.

8 Claims, 18 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc	In
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☐ 12. Document ID: US 6341372 B1

L8: Entry 12 of 18

File: USPT

Jan 22, 2002

US-PAT-NO: 6341372

DOCUMENT-IDENTIFIER: US 6341372 B1

TITLE: Universal machine translator of arbitrary languages

DATE-ISSUED: January 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Datig; William E.	Centerport	NY	11721	

US-CL-CURRENT: 717/136; 715/523

ABSTRACT:

A universal machine translator of arbitrary languages enables the semantic, or meaningful, translation of arbitrary languages with zero loss of meaning of the source language in the target language translation, which loss is typical in prior art human and machine translations. The universal machine translator embodies universal transformations itself and comprises the means for identifying high-level grammatical

constructions of a source language word stream, constructing a grammatical world model of the syntax of the source language high-level word stream, decomposing source and target languages into universal moments of meaning, or epistemic instances, translating the epistemic moments of source and target languages with substantially no loss in meaning, constructing a grammatical world model of the syntax of the target language high-level word stream, optionally adjusting the target language syntax to comply with a preferred target language grammar, and generating the translated target language word stream. The universal machine translator also comprises the means to embody arbitrary sensory/motor receptions and transmissions of arbitrary word streams, which allows universally translated communications to occur among human beings and machines.

6 Claims, 185 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 203

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc	In
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☐ 13. Document ID: US 6263493 B1

L8: Entry 13 of 18

File: USPT

Jul 17, 2001

US-PAT-NO: 6263493
DOCUMENT-IDENTIFIER: US 6263493 B1

TITLE: Method and system for controlling the generation of program statements

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ehrman; John Robert	Sunnyvale	CA		

US-CL-CURRENT: 717/114; 717/141

ABSTRACT:

Disclosed is a system for processing program statements, such as statements included in a macro. An assembler program is provided a plurality of statements with an input file. The assembler program processes the statements. For each statement the assembler program determines whether the processed statement is a buffering directive including a statement operand. If the assembler program determines that the processed statement is a buffering directive, the assembler program writes the statement operand of the buffering directive into a memory area. Otherwise, the assembler program generates the processed statement into a data stream. The assembler program generates the statements stored in the memory area into the data stream after processing the statements associated with the macro.

32 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc	In
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☐ 14. Document ID: US 6092037 A

L8: Entry 14 of 18

File: USPT

Jul 18, 2000

US-PAT-NO: 6092037

DOCUMENT-IDENTIFIER: US 6092037 A

TITLE: Dynamic multi-lingual software translation system

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stone; Roderick W.	Austin	TX		
Finch; Richard W.	Austin	TX		
McReynolds; Robert W.	Austin	TX		

US-CL-CURRENT: 704/8; 717/136, 717/141

ABSTRACT:

A software system facilitates the translation of text strings into multiple languages. The software system includes a macro which substitutes for a text string and a message collection and source update utility which scans the source code, locates the macro in the source code, derives a key relating to the text string and updates a database with the text string and key. The macro is included into a source code.

26 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc	In
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☐ 15. Document ID: US 5999733 A

L8: Entry 15 of 18

File: USPT

Dec 7, 1999

US-PAT-NO: 5999733

DOCUMENT-IDENTIFIER: US 5999733 A

TITLE: High speed assemble processing system

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shamoto; Eiji	Kanagawa			JP

US-CL-CURRENT: 717/143; 711/221

ABSTRACT:

In an assemble processing system, when a syntactical analysis procedure syntactically analyzes a source program, a macro definition procedure stores a macro definition program body of the source program in a macro definition area, and a macro reference procedure stores a macro formal parameter and a macro local symbol of the source program in a symbol table. After the operation of the syntactical analysis means is completed, the macro reference procedure deletes the stored macro formal parameter and the macro local symbol from said symbol table.

8 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw. Desc	In
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☐ 16. Document ID: US 5761510 A

L8: Entry 16 of 18

File: USPT

Jun 2, 1998

US-PAT-NO: 5761510
DOCUMENT-IDENTIFIER: US 5761510 A

TITLE: Method for error identification in a program interface

DATE-ISSUED: June 2, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith, Jr.; Ross F.	Redmond	WA		
Rodrigues; James Perry	Kirkland	WA		

US-CL-CURRENT: 717/124; 717/108, 717/140, 719/331

ABSTRACT:

A method for identifying errors in program functions in a program interface found in a header file for the program interface and for identifying errors in program functions in a program interface found in an internal header file and a related public declaration header file for the program interface is provided. In the preferred embodiment, a header file is parsed, and parsing errors are recorded. A test application designed to call each program function in a dynamic link library is generated using information obtained through parsing. The test application is compiled, and compilation errors are recorded. The test application is executed, and errors identified through execution are recorded.

18 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw. Desc	In
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☐ 17. Document ID: US 5754858 A

L8: Entry 17 of 18

File: USPT

May 19, 1998

US-PAT-NO: 5754858

DOCUMENT-IDENTIFIER: US 5754858 A

**** See image for Certificate of Correction ****

TITLE: Customizable application project generation process and system

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Broman; David Michael	Redmond	WA		
DeMichillie; Leland Greg	Redmond	WA		

US-CL-CURRENT: 717/111

ABSTRACT:

Custom application project generators are created to generate specific types of computer application programs using an automated procedure implemented in a customizer tool. The customizer tool creates a custom generator project according to options chosen by a writer from a sequence of generator option selection steps. The custom generator project comprises source code files, templates, and dialogs which the writer can further modify using an editor. The custom generator project is compiled and linked to form a custom application project generator which implements an automated procedure for generating a specific type of application defined by the writer. The custom application project generator interfaces with a services module that provides default user interface and code generation services which can be overridden by the writer.

20 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	In
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☐ 18. Document ID: US 4692896 A

L8: Entry 18 of 18

File: USPT

Sep 8, 1987

US-PAT-NO: 4692896

DOCUMENT-IDENTIFIER: US 4692896 A

TITLE: Method of processing a plurality of code systems

DATE-ISSUED: September 8, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sakoda; Kousuke	Hino			JP

Kainaga; Masahiro	Yokohama	JP
Akita; Hidehiko	Tokyo	JP
Murata; Fumiya	Hadano	JP
Nakaosa; Yoshitake	Yokohama	JP

US-CL-CURRENT: 717/142; 717/143

ABSTRACT:

A method of processing a plurality of different code systems for an information processing apparatus including an operating system, comprises a step of inputting a source program, and a compiling step of analyzing meaning of the source program to thereby create a series of instructions and data required for executing a processing equivalent to the meaning of the source program. The compiling step includes a sub-step of transforming character type constants to a first code system occupying region including a first number of bits and transforming character string constants to a second code system occupying a region including a number of bits which is equal to product of a sum of the number of characters of the character string constants plus one and multiplied with the first bit number so that character type variables designated in the source program correspond, respectively, to the region of the first bit number while a character type array corresponds to a region including a number of bits which is equal to a product resulting from multiplication of the first bit number with the number of elements of the array.

12 Claims, 20 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc	In
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